component;

separating the asynchronous component from the synchronous component;

classifying a data condition based on the asynchronous component;

selecting a data compression scheme based on the data condition; and

compressing the asynchronous component and the synchronous component based on the data compression scheme selected.

[c41] 41. A method as set forth in claim 40, wherein data compression scheme comprises a lossy process and a lossless process, and wherein the method further comprises the act of processing the asynchronous component and the synchronous component using a one of the lossy process and the lossless process.

[c42] 42. A method as set forth in claim 41, wherein the act of selecting of a data manipulation process includes classifying an abnormality condition of the asynchronous component.

[c43] 43. A method as set forth in claim 41, wherein the data compression scheme is a lossy process.

[c44] 44. A method as set forth in claim 40, wherein the data compression scheme is a lossless process.